

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

J. Joordens' Zaadhandel B.V.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF **LAW** IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE **PLANT VARIETY PROTECTION OFFICE**, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND **WHEREAS**, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE **LAW**.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY **LAW**, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE **PLANT VARIETY PROTECTION ACT**. IN THE **UNITED STATES** SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS, (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

ROUGH BLUEGRASS

'Po-Lis'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this fifth day of April in the year of our Lord one thousand nine hundred and seventy-six

Attest:

L. J. Rollins
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Earl L. Butz
Secretary of Agriculture



APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION POLLS	2. KIND NAME Roo GH BLUEGRASS GH	FOR OFFICIAL USE ONLY PV NUMBER 7147	
3. GENUS AND SPECIES NAME Poa trivialis	4. FAMILY NAME (Botanical) GRAMINEAE GH	FILING DATE 3-22-71	TIME 3:30 P.M.
	5. DATE OF DETERMINATION	FEE RECEIVED \$ 250.00	BALANCE DUE \$
		\$ 250.00	\$
		\$ 250.00	\$
6. NAME OF APPLICANT(S) J. Joordens'Zaadhandel B.V.	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 2e Graaf van Loonstraat 40 VENLO-BLERICK THE NETHERLANDS		8. TELEPHONE AREA CODE AND NUMBER
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) incorporation (B.V. = inc.)	10. STATE OF INCORPORATION Closed famely incorporat		11. DATE OF INCORPORATION 3 oct 1931
12. Name and mailing address of applicant representative@), if any, to serve in this application and receive all papers: The Landis Company Inc. P.O Box 385, Waupaca (wisc.)			

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Botanical Description of the Variety
- ☒ 13C. Exhibit C, Objective Description of the Variety
- ☒ 13D. Exhibit D, Data Indicative of Novelty
- ☒ 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a), (If "Yes," answer 14B and 14C below.)

14B. Does the applicant(s) specify that this variety be limited as to number of generations? ☒ YES ☐ NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed? ☐ FOUNDATION ☒ REGISTERED ☐ CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

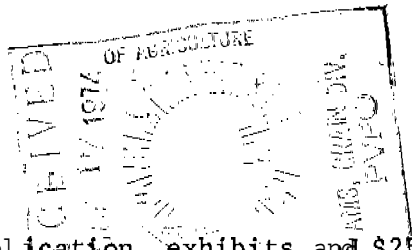
September 30 1974
(DATE)

J. Joordens'Zaadhandel B.V.
(SIGNATURE OF APPLICANT)

(DATE)

1
(SIGNATURE OF APPLICANT)

INSTRUCTIONS



GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- 5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant-and- compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed:
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.



J. JOORDENS' ZAADHANDEL B.V.

2e GRAAF VAN LOONSTRAAT 40
TELEFOON 077 - 21 545 (2 LIJNEN)

VENLO-BLERICK

POSTREKENING 1 03 18 19
K.V.K. VENLO NR 1006
TELEX NR 58 412

Telegram-adres: JOORDENS VENLO

Bankier: AMRO-BANK N.V. VENLO NR 48.40.480

Erkend kweekbedrijf voor Landbouwzaden

VENLO-BLERICK,
HOLLAND

EXHIBIT A: Origine and breeding history of the variety POLIS.

The breeding started in 1964 wenn we collected in the Champagne area of France a number of plants from a very dry chalk soil. These plants were so differant from normal (common) poa trivialis that only 2 years later we could determinate them as as poa trivialis. We put them together and multi plied 2 times to produce the first breedersseed.

As poa trivialis is a cross polinator the variety can not be so homogene as a variety of poa pratensis, which is apomix. Homogeneity therefor should be judged on the same way as for instanc a variety of red fescue. For a cross pollinating species the variety POLIS is good homogene.



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EXHIBIT B: Botanical description of the variety POLIS.

Species: Poa trivialis

Description: POLIS is a dwarf type of poa trivialis, at flowering time the total length is about 15 inch (against 20 - 25 inch for Common)
The leaves are very fine and the colour is slightly darker than from common
Polis forms very few stolones and very short one's

FORM GR-470-18
(1-15-73)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782EXHIBIT C
(Bluegrass)OBJECTIVE DESCRIPTION OF VARIETY
BLUEGRASS (POA SPP.)

NAME OF APPLICANT(S)

FOR OFFICIAL USE ONLY

PVPO NUMBER

7147

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

VARIETY NAME OR TEMPORARY
DESIGNATION

Po-Lis

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. KIND:

1 = POA COMPRESSA 2 = P. PRATENSIS 3 = P. TRIVIALIS 4 = OTHER (Specify)

2. REGION OF BEST ADAPTATION:

1 = NORTHEAST 2 = TRANSITIONAL ZONE 3 = NORTH CENTRAL 4 = PACIFIC N.W. 5 = OTHER (Specify)

3. MATURITY (At First Anthesis):

1 = EARLY (Delta) 2 = MEDIUM EARLY (Fylking) 3 = MEDIUM (Newport) 4 = LATE (Merion)

NUMBER OF DAYS EARLIER THAN

NUMBER OF DAYS LATER THAN

1 = NUGGET

2 = FYLKING

3 = DELTA

4 = MERION

5 = NEWPORT

6 = BARON

4. PLANT HEIGHT (Longest Shoot from Soil Surface to Top of Head):

CM. HEIGHT

CM. SHORTER THAN

CM. TALLER THAN

1 = NUGGET

2 = FYLKING

3 = DELTA

4 = MERION

5 = NEWPORT

6 = BARON

5. HABIT:

1 = PROSTRATE (Fylking) 2 = SEMI-PROSTRATE (Merion)
3 = ERECT (Delta)

6. VEGETATIVE REPRODUCTION (1 = Absent; 2 = Present):

RHIZOMES

STOLONS

statement 3/6/75

7. LEAF BLADE:

Color:

1 = LIGHT GREEN (Rough Bluegrass)

2 = BLUE GREEN (Canada Bluegrass)

3 = MODERATELY DARK GREEN (Merion)

4 = DARK GREEN (Adelphi) 5 = OTHER (Specify)

Upper Surface:

1 = SHINY

2 = DULL

Lower Surface:

1 = SHINY

2 = DULL

MM. WIDTH

3/6/75

MM. LENGTH

8. LEAF SHEATH (Base):

Seedling Color:

1 = GREEN 2 = RED

MM. LENGTH

Keel: 1 = NOT KEELED 2 = KEELED

Surface:

1 = GLABROUS

2 = PUBESCENT

1 = SMOOTH

2 = ROUGH

1 = NON-GLAUCOUS

2 = GLAUCOUS

9. LEAFINESS (At First Anthesis):

Number of leaves per tiller or shoot:

1 = FEW (1 - 3)

2 = INTERMEDIATE (4 - 6)

3 = MANY (More than 6)

10. PANICLE:

MM. LENGTH

MM. LONGER THAN

MM. SHORTER THAN

1 = NUGGET

2 = FYLKING

3 = DELTA

4 = MERION

5 = NEWPORT

6 = BARON

4

FORM GR-470-18 (Reverse)

10. PANICLE (Cont.):

NUMBER OF PANICLES PER PLANT MILLIGRAMS SEED PER PANICLE

Branches LOWEST WHORL: 1 = DROOPING (Prato) 2 = HORIZONTAL (Merion) 3 = OTHER (Specify)

Panicle Habit: 1 = NODDING (Newport) 2 = UPRIGHT (Nugget) MM. SPIKELET LENGTH

11. LEMMA

KEEL } 1 = GLABROUS 2 = SLIGHTLY PUBESCENT 3 = PUBESCENT 4 = OTHER (Specify)

LATERAL NERVES

Intermediate Nerves: 1 = DISTINCT 2 = OBSCURE Basal Webbing: 1 = NONE 2 = SCANT 3 = COPIOUS

12. SEED:

Apomictic Percentage: 1 = MORE THAN 95 2 = 85 TO 95 3 = LESS THAN 85

Phenol Reaction: 1 = NONE - LEMMA REMOVED (Merion) 2 = BEIGE (Cougar) 3 = BROWN (Windsor)
4 = BLACK (Delta - 2 hours) 5 = BLACK (Anheuser - 24 hours)

MM. WIDTH MM. LENGTH GRAMS PER 10,000 SEEDS CHROMOSOME NO. (2n)

13. TURF DENSITY MAINTENANCE AT ONE INCH CUT:

1 = POOR 2 = MODERATE (Merion) 3 = SUPERIOR (Nugget) 4 = EXCELLENT

14. VERTICAL GROWTH RATE:

1 = SLOW (Nugget) 2 = MEDIUM (Merion) 3 = FAST (Delta) 4 = OTHER (Specify relation to a standard) *very fast*

15. SPRING GREEN UP:

1 = EARLY (Windsor) 2 = MEDIUM (Fylking) 3 = LATE (Nugget)

16. FALL DORMANCY: (1 = Not Dormant; 2 = Intermediate; 3 = Dormant)

NORTHERN (42° 30' ± 30' Lat.) INTERMEDIATE (40° ± 30' Lat.) SOUTHERN (37° 30' ± 30' Lat.)

17. SEEDLING VIGOR (Growth Rate):

Seedling: 1 = SLOW 2 = MEDIUM 3 = FAST

18. ENVIRONMENTAL RESISTANCE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

COOL TEMPERATURE (Winter color) COLD (Injury) HEAT DROUGHT
 SHADE POOR FERTILITY ACID SOIL ALKALINITY
 SALINITY SOIL COMPACTION POOR DRAINAGE AIR POLLUTION
 OTHER (Specify)

19. DISEASE, INSECTS, AND NEMATODE RESISTANCE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

HELMINTHOSPORIUM VAGANS H. SOROKINIANUM H. DICTYOIDES RHIZOCTONIA SOLANI
 ERYSIPIHE GRAMINIS USTILAGO STRIIFORMIS FUSARIUM NIVALE F. ROSEUM
 TYPHULA IOTANA SCELEROTINIA HOMEOCARPA PUCCINIA GRAMINIA P. STRIIFORMIS
 PYTHIUM ULTIMATUM CRAMBUS BONIFATELLUS OTHER (Specify)

REFERENCE

Nickerson's or any recognized color fan may be used to determine plant colors of the described variety.



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ExHIBIT D : Statement of novelty.

It is very difficult to give the information you want: Up to now this is the first variety, which got plant breeders rights in Europe. therefor it is impossibly to indicate differances with other varieties. We hereby sent you a fotocopy of the dutch plantbreedersrightoffice with our own translation in English.

Common rough Bluegrass is a population of in general high growing types with a lot of long stolones.

POLIS is a shorter growing variety with very short stolones



BEWIJS VAN INSCHRIJVING

voor een ras van het gewas *Poa annua*
For a variety of the species: Rough Bluegrass

De Raad voor het Kwekersrecht verklaart,
The "Raad voor het Kwekersrecht" declares

that under application number L 2168

sent in on 6 september 1968 at 24.00 hour

The hereunder described variety on 29 March 1972

under volgnummer 2918
under number 2918

en onder de benaming 'Polis'
and under the name "POLIS"

in het Nederlands Rassenregister is ingeschreven
is inscribed in the Netherlands Register of varieties

ten name van J. Joorssen' Zaadhandel N.V.,
on the name of 2e Straat van Leendstraat 40,

Venlo - Holland.

WAGENINGEN 5 April 1972

De Raad voor het Kwekersrecht,

secretaris.

NAAM : Polis
GEWAS : Ruwbeemdgras

AANVRAGE NR. L 2168
VOORLOPIGE AANDUIDING:
FTR/Ka 68

BESCHRIJVING (Description)

Habitus : plat (flat)

Kleur van het blad : tamelijk lichtgroen
Colour of the leaf Fairly light green

Breedte van het blad : smal
Broadness of the leaf narrow

Vroegheid van doorschieten : tamelijk vroeg
Earliness of heading fairly early

Verschil met andere rassen
Differences with other varieties:

Het samenstaan van de beschreven eigenschappen kenmerkt het ras.

The combination of the described ~~XXXX~~ characters indentifie the varity



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HOLLAND

EXHIBIT E : Statement of the basis of applicant's Ownership.

Hereby we declare that the variety of *poa trivialis* "POLIS" is created on our own breeding station by Ingenieur Marc Joordens and is owned totally and allone by our company.

J.Joordens'Zaadhandel B.V.
2e Graaf van Loonstraat 40
VENLO-BLERICK Holland.